

- 1 What is claimed is:
- 2 1. A water-intake control valve comprising:
- 3 an upper valve base having a water-intake opening and a water-outtake opening;
- 4 a lower valve base combined with the upper valve base to construct a valve chamber
- 5 with a sealing neck, wherein the lower valve base has a joint ring, a pivoting salient
- 6 and a plurality of water-outlets between the joint ring and the pivoting salient, the
- 7 joint ring are connected with the water-outtake opening of the upper valve base, the
- 8 pivoting salient has a guiding slot hole;
- 9 a valve tappet movably disposed inside the valve chamber, wherein the valve tappet
- 10 connects with a valve stopper for blocking the sealing neck and connects with a slide
- 11 block having a through hole in the guiding slot hole; and
- 12 a ball connect rod having a float connecting end, a degressive arc end and a pivoting
- 13 portion between the float connecting end and the degressive arc end, wherein the
- 14 pivoting portion is pivoted with the pivoting salient of the lower valve base, the
- 15 degressive arc end passing through the guiding slot hole and the through hole of the
- 16 slide block for linearly moving the slide block .
- 17 2. The water-intake control valve in accordance with claim 1, wherein the degressive arc
- 18 end of the ball connect rod has a tail end with a gradually enlarging radian.
- 19 3. The water-intake control valve in accordance with claim 1, wherein the sealing neck is
- 20 formed in the upper valve base.
- 21 4. The water-intake control valve in accordance with claim 1, wherein the upper valve
- 22 base has an balance opening corresponding to the water-outtake opening, a
- 23 water-blocking cap is connected with one end of the valve tappet corresponding to the
- 24 valve stopper for movably sealing the balance opening.
- 25 5. The water-intake control valve in accordance with claim 1, wherein the ball connect
- 26 rod is composed of a float connecting rod and a pivoting rod with the degressive arc
- 27 end.

- 1 6. The water-intake control valve in accordance with claim 1, further comprising a float
2 ball connected with the float connecting end of the ball connect rod.
- 3 7. A water-intake control valve comprising:
4 a valve body having a valve chamber with a sealing neck inside, a pivoting salient and
5 a plurality of water-outlets, wherein the pivoting salient has a guiding slot hole;
6 a valve tappet movably disposed inside the valve chamber, wherein the valve tappet
7 connects with a valve stopper for blocking the sealing neck and connects with a slide
8 block having a through hole in the guiding slot hole; and
9 a ball connect rod having a float connecting end, a degressive arc end and a pivoting
10 portion between the float connecting end and the degressive arc end, wherein the
11 pivoting portion is pivoted with the pivoting salient of the valve base, the degressive
12 arc end passes through the guiding slot hole and the through hole of the slide block for
13 linearly moving the slide block .
- 14 8. The water-intake control valve in accordance with claim 7, wherein the degressive arc
15 end of the ball connect rod has a tail end with a gradually enlarging radian.
- 16 9. The water-intake control valve in accordance with claim 7, wherein the valve body has
17 an balance opening, a water-blocking cap is connected with one end of the valve tappet
18 corresponding to the valve stopper for movably sealing the balance opening.
- 19 10. The water-intake control valve in accordance with claim 7, wherein the ball connect
20 rod is composed of a float connecting rod and a pivoting rod with the degressive arc
21 end.
- 22 11. The water-intake control valve in accordance with claim 7, further comprising a float
23 ball connected with the float connecting end of the ball connect rod.
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